

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 99/00376

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A61K9/08 A61K9/19 A61K47/02 A61K47/12 A61K47/26
A61K38/29

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91 06564 A (W.G.FORSSMANN) 16 May 1991 (1991-05-16) claims 1,5-8,15 ---	1-5,8, 10,12,18
X,P	WO 99 07340 A (BOEHRINGER INGELHEIM) 18 February 1999 (1999-02-18) claims 1,2,4,5,9 ---	1-5,10, 12-18
A	WO 95 17207 A (ALLELIX) 29 June 1995 (1995-06-29) cited in the application claims ---	1-18
A	US 5 563 122 A (K. ENDO ET AL.) 8 October 1996 (1996-10-08) cited in the application claims --- -/-	1-18

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

4 November 1999

Date of mailing of the international search report

10/11/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
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Fax: (+31-70) 340-3016

Authorized officer

Scarponi, U

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 99/00376

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 14429 A (BOEHRINGER MANNHEIM) 24 April 1997 (1997-04-24) claims ----	1-18
A	EP 0 619 119 A (ASAHI KASEI KOGYO KK) 12 October 1994 (1994-10-12) the whole document -----	1-18

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CA 99/00376

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Remark: Although claims 17 and 18 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 99/00376

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9106564	A	16-05-1991	DE 3935738 A	08-05-1991
			AT 121424 T	15-05-1995
			AU 643725 B	25-11-1993
			AU 6871291 A	31-05-1991
			CA 2071538 A	28-04-1991
			DE 59008949 D	24-05-1995
			DK 497915 T	25-09-1995
			EP 0497915 A	12-08-1992
			ES 2071837 T	01-07-1995
			GR 3015909 T	31-07-1995
			US 5744444 A	28-04-1998
WO 9907340	A	18-02-1999	DE 19733651 A	18-02-1999
			AU 9157798 A	01-03-1999
			HR 980425 A	30-04-1999
WO 9517207	A	29-06-1995	US 5496801 A	05-03-1996
			AU 681737 B	04-09-1997
			AU 1269895 A	10-07-1995
			BR 9408398 A	12-08-1997
			CA 2179207 A	29-06-1995
			CN 1142772 A	12-02-1997
			CZ 9601842 A	15-01-1997
			EP 0735896 A	09-10-1996
			FI 962593 A	19-08-1996
			HU 74381 A	30-12-1996
			JP 9506869 T	08-07-1997
			LV 11731 A	20-04-1997
			LV 11731 B	20-08-1997
			NO 962634 A	20-06-1996
			NZ 277463 A	24-03-1997
			PL 315158 A	14-10-1996
			SK 82896 A	08-01-1997
US 5563122	A	08-10-1996	AU 3095092 A	19-07-1993
			DE 69228828 D	06-05-1999
			EP 0619119 A	12-10-1994
			ES 2129048 T	01-06-1999
			WO 9311785 A	24-06-1993
			JP 2662842 B	15-10-1997
			JP 5306235 A	19-11-1993
			KR 131678 B	17-04-1998
WO 9714429	A	24-04-1997	DE 19538687 A	24-04-1997
			AU 7294196 A	07-05-1997
			BR 9610983 A	02-03-1999
			CA 2234724 A	24-04-1997
			CZ 9801083 A	16-09-1998
			EP 0855917 A	05-08-1998
			HU 9900751 A	28-07-1999
			SK 47298 A	04-11-1998
EP 619119	A	12-10-1994	DE 69228828 D	06-05-1999
			KR 131678 B	17-04-1998
			US 5563122 A	08-10-1996
			AU 3095092 A	19-07-1993
			ES 2129048 T	01-06-1999
			WO 9311785 A	24-06-1993

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 99/00376

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 619119 A		JP 2662842 B	15-10-1997
		JP 5306235 A	19-11-1993
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PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 29215-0093	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/CA 99/ 00376	International filing date (day/month/year) 26/04/1999	(Earliest) Priority Date (day/month/year) 28/04/1998
Applicant ALLELIX BIOPHARMACEUTICALS INC. et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CA 99/ 00376

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

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Remark: Although claims 17 and 18 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

PCT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
 United States Patent and Trademark
 Office
 Box PCT
 Washington, D.C. 20231
 ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 12 January 2000 (12.01.00)	
International application No. PCT/CA99/00376	Applicant's or agent's file reference 29215-0093
International filing date (day/month/year) 26 April 1999 (26.04.99)	Priority date (day/month/year) 28 April 1998 (28.04.98)
Applicant BILLGER, Martin et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

25 November 1999 (25.11.99)

☐ in a notice effecting later election filed with the International Bureau on:
2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer S. Mafra Telephone No.: (41-22) 338.83.38
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